

```

_110 _120 _130 _140 _150 _160 _170 _180 _190
PRGDVAELQEAVEEDPLYAVPLPKGQRPAPTQVLEEDPSVEEEIEIAPLPFRNNVGEVEPQEDPIYQIGIPGHQEEMEEDPYASLDQVSQ
P.GD:: Q.. :: : : G : : : E : : E.E:: : : P:: : : E P : : : P : S
PSGDIQD-QSQDQEQEQQGA VGAVGNSPIERERVAAPESEDLYTVIIPKGKRTAAPILERKSPTPEPKVEDDEDLPPTLPPRTFS-
*20 *30 *40 *50 *60 *70 *80 *90 *100

_200 _210 _220 _230 _240 _250 _260 _270 _280
GAGADGIQENVPQEA GEELEEDIYQDPADFGLGQGGQQLDQAGYQGPSIGDRQLVNGPYGFNDGSYAMEFD-DVMWEGVRDAVIHDEEID
G.G D: : : P : : : I QD: : : G G .Q .Q : : : G R:: : GPY.F::G M:F: D. W :VR:AV: :.EI.
GEGYDDV-GVSMPTVSRGIYQPPPIVQDSNLYSSIG-GVPQEAQYDAAARAGGPRKFLYGPYTFSSNGQEIMDFEFDTPWPDVRNAV LGNKEIK
*110 *120 *130 *140 *150 *160 *170 *180 *190

_290 _300 _310 _320 _330 _340 _350 _360 _370
PKFLVTGGLMRHICDKIVQSEGNLPEPDLEEIVSILKNDKEGISELINEPVQVDIPNNPVREGRNVMTLLHLAYAYNVDPRIINAIESVE
..L.T.G :R:I D:IV.S.G:L:E :EEI:I: :...I:E I:P::D: NNPV:::NVMTL:HL.YA.:VDPRI::A::..VE
EELTTSGPVRDIADRIVASKGDLSEDQVEEILDIIFMNESEIEAGISNPLHADVDNPNPKAKNVMTLMHLVYACDVPDPRIVKALGEVE
*200 *210 *220 *230 *240 *250 *260 *270 *280

_380 _390 _400 _410 _420 _430 _440 _450 _460
NSFGESGLDGYNIQADGNLPLHHA AKNCNGQVLDNCISKTNSNIINIRNFGNQSP LHV MVQNPGCSIGNIQVANECGMDFNLIDHPTGR
N. G: G : :YN: D::GNLPLHHA AKNC: G: L. C: .KT:::I:: NF:NQSP LH:::Q:P:CS: :I: .. :.DF.L:D .G:
NDEGDLGANAYNVLDSEGNLPLHHA AKNCTGDKLKCMEKTKTDFIDTANFANQSP LHIITQKPDCSVLDIEEFTSRNLDFGLVD-GDGK
*290 *300 *310 *320 *330 *340 *350 *360 *370

_470 _480 _490 _500 _510 _520 _530 _540 _550
MPIHYAAEAAASSEVL SVIRNTKAESPQASAVNTQDVNGRTPLHCAAISGNSK-GLSVMLLQNGVDCAVRDKNYSTPLHYAVAGNDIKSIK
P:H.A.E : : :L. V: :K..S .. VN..D G.T H.A. : N:..L ML :G.D .VRL .:P:H A :... :...
NPLHHA VEHLPPVILKGVMDHVKNSSSEFQDLVNDPDPYFGNTIAHYAVKKNKNADLTLFNMLKASGADLNVRNVVGRAPIHVASSNGKANAVS
*380 *390 *400 *410 *420 *430 *440 *450 *460

```

Fig. 1A



BEST AVAILABLE COPY

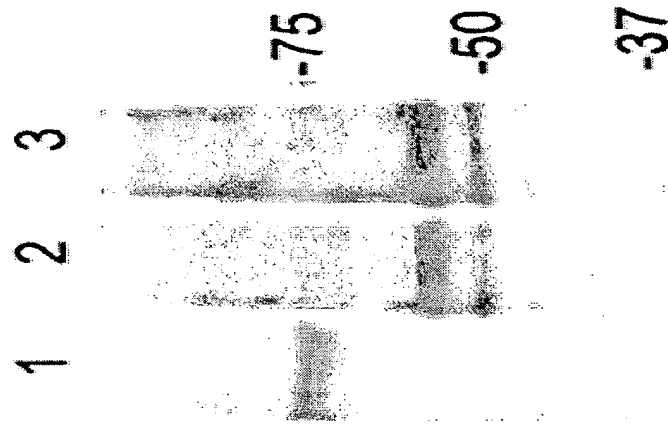


Fig. 2B

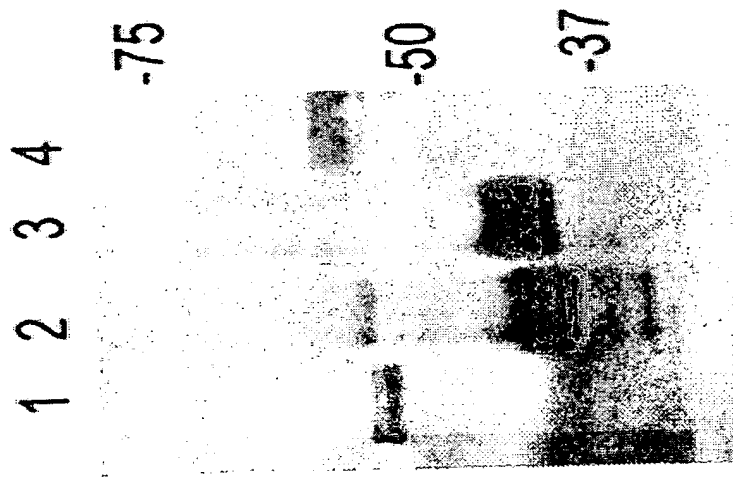


Fig. 2A

BEST AVAILABLE COPY

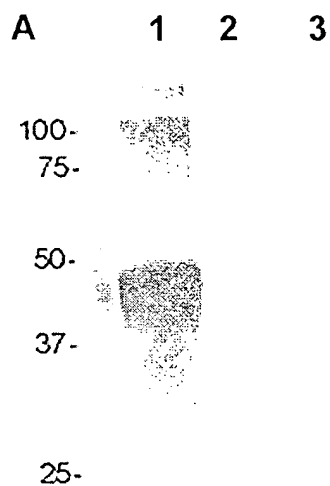


Fig. 3A

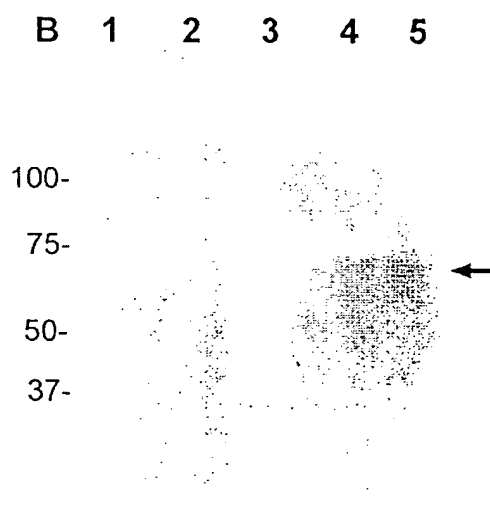


Fig. 3B

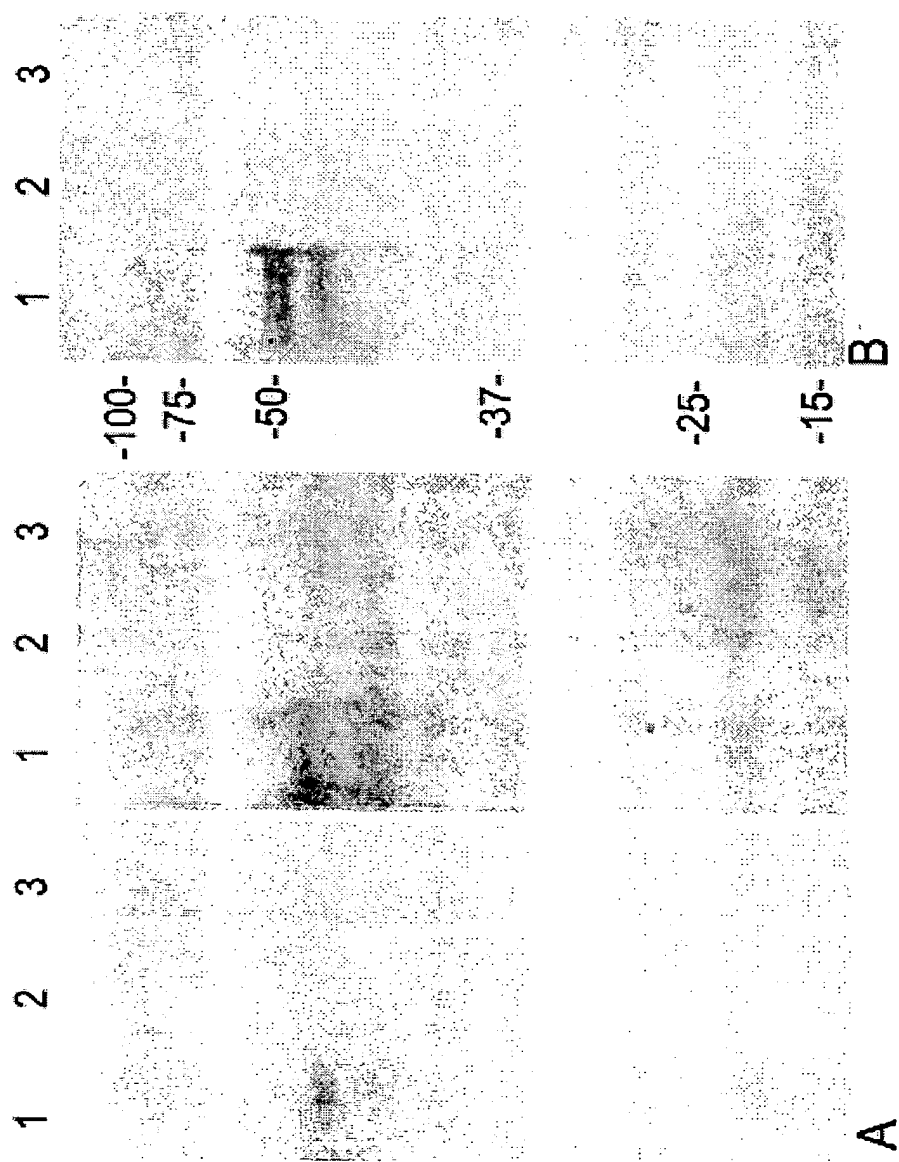


Fig. 4B

Fig. 4A

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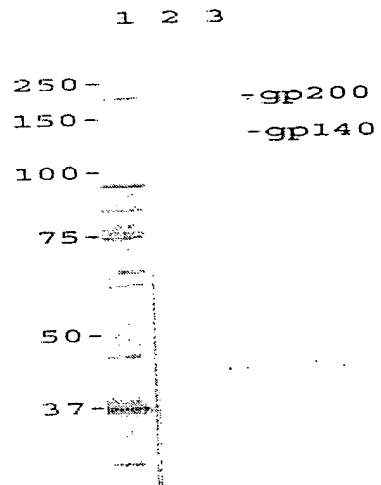


Fig. 5